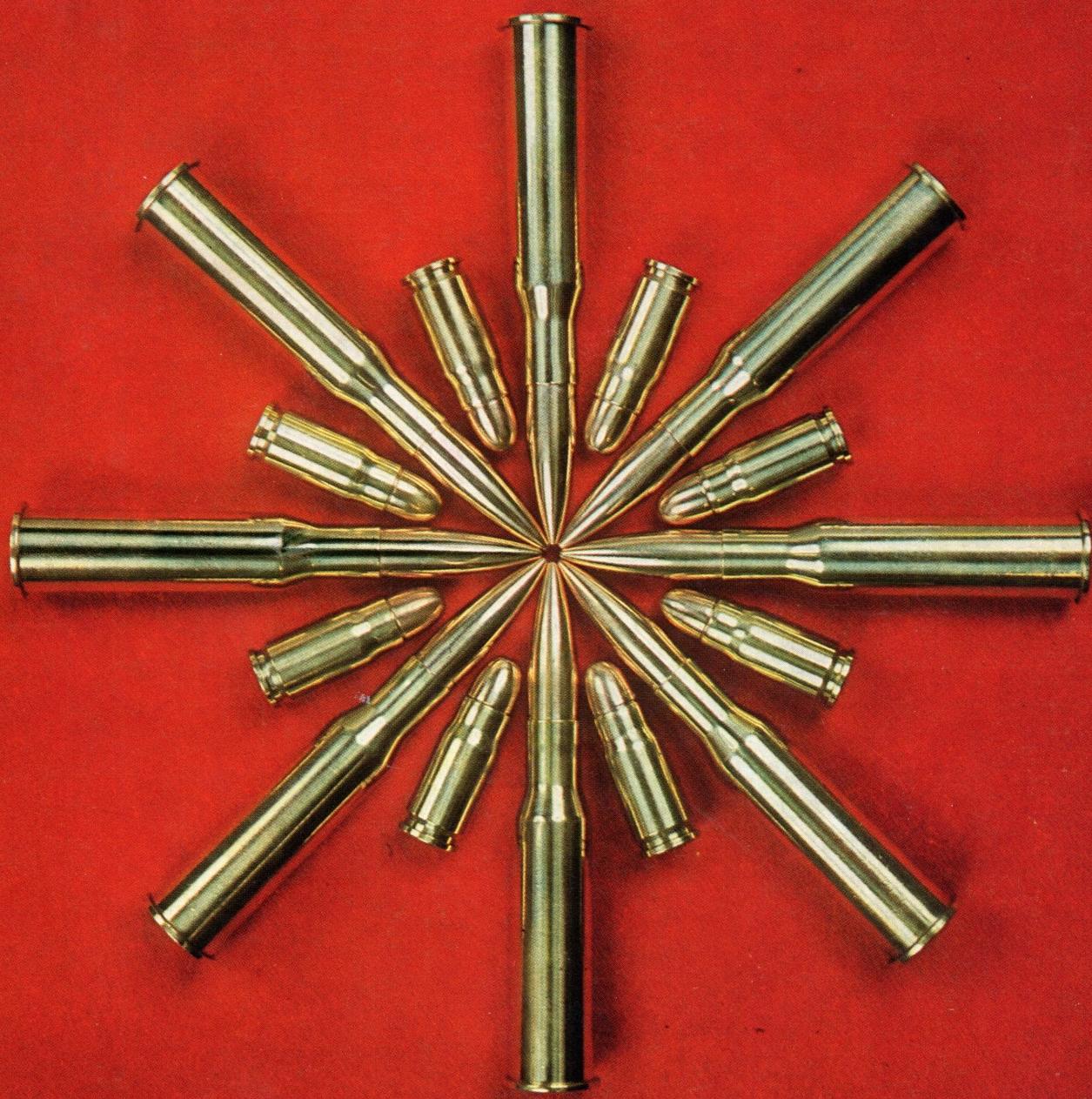


# LAPUA CARTRIDGES



LAPUAN PATRUUNATEHDAS, LAPUA,

FINLAND

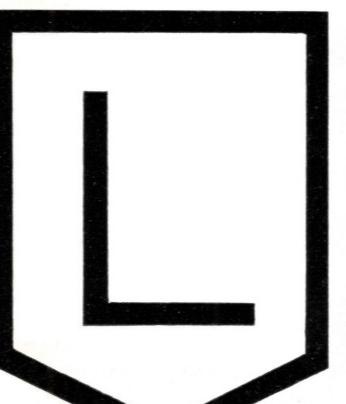


## RIFLE CARTRIDGES

| Cartridge       | American designation | Bullet       | Bullet weight |     | Code  | Packing |      | Velocity m/s |      |       |       |       |       | Energy (kpm) |        |      |       |       |       | Trajectory drop (cm) |       |      |       |       |       | Pressure kp/cm <sup>2</sup> |       |      |
|-----------------|----------------------|--------------|---------------|-----|-------|---------|------|--------------|------|-------|-------|-------|-------|--------------|--------|------|-------|-------|-------|----------------------|-------|------|-------|-------|-------|-----------------------------|-------|------|
|                 |                      |              | g             | grs |       | Box     | Case | Muzzle       | 50 m | 100 m | 150 m | 200 m | 250 m | 300 m        | Muzzle | 50 m | 100 m | 150 m | 200 m | 250 m                | 300 m | 50 m | 100 m | 150 m | 200 m | 250 m                       | 300 m |      |
| 5,6 x 39        |                      | Full jacket  | 2,75          | 42  | S 335 | 20      | 1000 | 1100         |      |       |       |       |       |              | 170    |      |       |       |       |                      |       |      |       |       |       |                             | 2650  |      |
| 6,5 x 52 R      | 25-35 W              | Soft pointed | 5,65          | 87  | E 291 | 20      | 1000 | 685          | 615  | 550   | 487   | 428   | 375   | 328          | 138    | 111  | 89    | 70    | 54    | 41                   | 32    | 3,0  | 12,8  | 31,0  | 59,8  | 101,5                       | 160,2 | 2050 |
| 6,5 x 52 R      | 25-35 W              | Full jacket  | 5,65          | 87  | F 292 | 20      | 1000 | 685          | 621  | 560   | 502   | 447   | 396   | 349          | 138    | 113  | 92    | 74    | 59    | 46                   | 36    | 3,0  | 13,0  | 31,0  | 58,6  | 98,5                        | 153,9 | 2100 |
| 6,5 x 52 R      | 25-35 W              | Full jacket  | 5,65          | 87  | F 292 | 20      | 1000 | 790          | 712  | 638   | 568   | 502   | 439   | 382          | 183    | 149  | 120   | 95    | 74    | 57                   | 43    | 2,4  | 10,1  | 24,0  | 45,8  | 77,0                        | 120,9 | 2100 |
| 6,5 x 55        | 6,5 Swedish          | Full jacket  | 10,1          | 155 | R 293 | 20      | 1000 | 705          | 671  | 637   | 605   | 574   | 543   | 513          | 258    | 234  | 211   | 190   | 171   | 153                  | 137   | 2,6  | 11,1  | 25,5  | 46,8  | 75,5                        | 112,2 | 2750 |
| 7 x 53 R        |                      | Full jacket  | 6,0           | 93  | R 318 | 20      | 1000 | 945          | 845  | 748   | 655   | 569   | 488   | 413          | 273    | 218  | 171   | 131   | 99    | 73                   | 52    | 1,6  | 6,5   | 16,2  | 31,4  | 54,5                        | 87,6  | 2000 |
| 7 x 54          |                      | Full jacket  | 6,0           | 93  | R 318 | 20      | 1000 | 940          | 843  | 749   | 658   | 574   | 495   | 421          | 270    | 217  | 172   | 132   | 101   | 75                   | 54    | 1,6  | 7,1   | 17,1  | 33,0  | 56,0                        | 89,4  | 2550 |
| 7 x 57          | 7 mm Mauser          | Soft pointed | 11,2          | 170 | E 295 | 20      | 1000 | 720          | 673  | 628   | 585   | 543   | 502   | 463          | 296    | 259  | 225   | 195   | 168   | 144                  | 122   | 2,6  | 10,8  | 25,5  | 47,0  | 77,2                        | 117,0 | 3100 |
| 7,62 x 39 short |                      | Full jacket  | 8,0           | 123 | S 309 | 20      | 1000 | 725          | 675  | 627   | 581   | 536   | 493   | 452          | 214    | 186  | 160   | 138   | 117   | 99                   | 83    | 2,6  | 11,1  | 28,1  | 48,4  | 79,2                        | 120,0 | 2850 |
| 7,62 x 51       | .308 W               | Full jacket  | 9,7           | 150 | B 334 | 20      | 1000 | 875          | 837  | 800   | 763   | 726   | 691   | 656          | 378    | 346  | 316   | 288   | 260   | 236                  | 213   | 1,6  | 6,7   | 15,4  | 28,4  | 45,0                        | 68,4  | 3250 |
| 7,62 x 51       | .308 W               | Full jacket  | 12,0          | 185 | D 46  | 20      | 1000 | 760          | 731  | 703   | 674   | 647   | 620   | 594          | 353    | 327  | 302   | 278   | 256   | 235                  | 216   | 2,4  | 9,8   | 22,4  | 40,4  | 64,5                        | 94,5  | 3300 |
| 7,62 x 53 R     | 7,62 Russian         | Soft pointed | 11,3          | 175 | E 314 | 20      | 1000 | 760          | 732  | 705   | 678   | 652   | 626   | 601          | 333    | 309  | 286   | 265   | 245   | 225                  | 208   | 2,2  | 9,5   | 22,0  | 39,8  | 63,5                        | 93,6  | 2800 |
|                 |                      | Full jacket  | 13,0          | 200 | D 166 | 15      | 600  | 710          | 684  | 658   | 633   | 609   | 585   | 562          | 334    | 310  | 287   | 266   | 246   | 227                  | 209   | 2,7  | 11,0  | 25,4  | 45,8  | 72,8                        | 106,8 | 2900 |
|                 |                      | » »          | 10,8          | 165 | S 283 | 15      | 600  | 770          | 740  | 711   | 682   | 653   | 626   | 599          | 326    | 301  | 278   | 256   | 235   | 216                  | 197   | 2,2  | 9,3   | 21,4  | 39,0  | 62,5                        | 92,1  | 2700 |
|                 |                      | » »          | 10,8          | 165 | S 284 | 15      | 600  | 770          | 742  | 714   | 686   | 659   | 633   | 607          | 326    | 303  | 280   | 259   | 239   | 220                  | 203   | 2,2  | 9,3   | 21,4  | 39,0  | 62,0                        | 91,5  | 2700 |
|                 |                      | » »          | 12,0          | 185 | D 46  | 20      | 1000 | 760          | 731  | 703   | 674   | 647   | 620   | 594          | 353    | 327  | 302   | 278   | 256   | 235                  | 216   | 2,4  | 9,8   | 22,4  | 40,4  | 64,5                        | 94,5  | 2900 |
|                 |                      | » »          | 12,0          | 185 | D 46  | 20      | 1000 | 780          | 752  | 725   | 697   | 671   | 644   | 619          | 372    | 346  | 321   | 297   | 275   | 254                  | 234   | 2,2  | 9,3   | 21,2  | 38,2  | 60,8                        | 89,1  | 3200 |
|                 |                      | » »          | 12,0          | 185 | D 47  | 20      | 1000 | 760          | 731  | 703   | 674   | 647   | 620   | 594          | 353    | 327  | 302   | 278   | 256   | 235                  | 216   | 2,4  | 9,8   | 22,4  | 40,4  | 64,5                        | 94,5  | 2900 |
|                 |                      | » »          | 12,0          | 185 | D 47  | 20      | 1000 | 780          | 752  | 725   | 697   | 671   | 644   | 619          | 372    | 346  | 321   | 297   | 275   | 254                  | 234   | 2,2  | 9,3   | 21,2  | 38,2  | 60,8                        | 89,1  | 3200 |
| 8,2 x 57        | 8 x 57 JS            | Soft pointed | 12,7          | 195 | E 297 | 20      | 1000 | 715          | 659  | 605   | 554   | 505   | 458   | 413          | 331    | 281  | 237   | 199   | 165   | 136                  | 110   | 2,6  | 11,0  | 26,2  | 49,4  | 82,0                        | 120,3 | 2650 |
| 8,2 x 53 R      |                      | Soft pointed | 12,7          | 195 | E 297 | 20      | 1000 | 700          | 645  | 593   | 543   | 494   | 448   | 404          | 317    | 269  | 228   | 191   | 158   | 130                  | 106   | 2,9  | 12,1  | 28,6  | 53,8  | 88,8                        | 135,9 | 2350 |

## .22 RIMFIRE AMMUNITION

| Cartridge                       | Bullet             | Bullet weight |     | Packing |       | Velocity m/s |      |       | Energy (kpm) |      |       | Drop (cm) |       |
|---------------------------------|--------------------|---------------|-----|---------|-------|--------------|------|-------|--------------|------|-------|-----------|-------|
|                                 |                    | g             | grs | Box     | Case  | 0 m          | 50 m | 100 m | 0 m          | 50 m | 100 m | 50 m      | 100 m |
| Long rifle cal.22 Championship  | Lead, roundnose    | 2,69          | 42  | 50/500  | 10000 | 345          | 304  | 279   | 16,3         | 12,7 | 10,7  | 11,4      | 49,3  |
| Long rifle cal. 22 Matchgrade   | Lead, roundnose    | 2,59          | 40  | 50/500  | 10000 | 340          | 305  | 283   | 15,3         | 12,3 | 10,6  | 11,6      | 49,4  |
| Long rifle cal. 22 Hollow Point | Lead, hollow point | 2,35          | 36  | 50/500  | 10000 | 410          | 340  | 296   | 20,2         | 13,9 | 10,5  | 8,3       | 37,9  |
| Short cal. 22                   | Lead, roundnose    | 1,80          | 28  | 50/500  | 10000 | 290          | 257  | 228   | 7,7          | 6,1  | 4,8   | 15,8      | 69,0  |
| Short Indoor cal. 22            | Lead, roundnose    | 1,80          | 28  | 50/500  | 10000 | 250          | 225  | 203   | 5,7          | 4,6  | 3,8   | 21,0      | 90,6  |



The world championship cartridges

Lapuan Patruunatehdas has impressive traditions as a manufacturer of precision cartridges for competitions, practice and hunting. The first world championship was won in 1930. Since then, the honours in the following list offer distinguished proof of the success of this Finnish product. Lapua cartridges are products which have shown how well they can compete on world markets, too. Their top-quality materials, scrupulous manufacture and ultramodern technology form the basis on which their reputation in Finland and abroad has developed.

# LAPUA CARTRIDGES

The record achieved by Finnish marksmen using cartridges made by Lapuan Patruunatehdas

## SMALL-BORE RIFLE CARTRIDGE 22 CAL.

### World championships

|             |                             |     |
|-------------|-----------------------------|-----|
| 1958 Moscow | English match 30 + 30 shots | 593 |
|             | 40 shots, kneeling          | 391 |

### Olympic Gold Medals

|                |   |         |
|----------------|---|---------|
| 1956 Melbourne | free pistol                             | 556     |
| 1960 Rome      | Olympic rapid-fire pistol, silver Medal | 587/139 |
| 1964 Tokyo     | » »                                     | 560     |
| 1964 Tokyo     | Olympic rapid-fire pistol.              | 592/60  |

### European Championships

|               |  |          |
|---------------|--|----------|
| 1956 Helsinki | Olympic rapid-fire pistol, team champ. | 2867/300 |
|---------------|--|----------|

## FREE RIFLE CARTR. 7.62 × 53 R, D-46

### World championships

|  |                               |      |
|--|-------------------------------|------|
| 1930 Antwerp   | 40 shots, prone               | 389  |
| 1931 Lwow  | 3 × 40 shots                  | 1111 |
| 1933 Granada   | 40 shots, standing            | 359  |
| 1935 Rome  | 40 shots, prone               | 393  |
| 1937 Helsinki  | 40 shots, prone               | 388  |
|  | Argentina Statuette, team win | 5488 |
| 1947 Stockholm   | 40 × 30 shots                 | 1111 |
| 1949 Buenos Aires  | 40 shots, standing            | 362  |
|  | 40 shots, prone               | 391  |
| 1952 Oslo  | 3 × 40 shots                  | 1116 |
| 1956 Moscow  | Argentina Statuette, team win | 5512 |
| Estonian marksmen won the following world championships with Lapua cartridges: | 3 × 40 shots                  | 1118 |
| 1937 Helsinki  | 40 shots, standing            | 364  |
|  | 40 shots, kneeling            | 375  |
| 1939 Lucerne   | 40 shots, kneeling            | 381  |
|  | 40 shots, prone               | 392  |
|  | 3 × 40 shots                  | 1136 |

Estonian marksmen won the following world championships with Lapua cartridges:

|               |                               |      |
|---------------|-------------------------------|------|
| 1937 Helsinki | Argentina Statuette, team win | 5526 |
|               | 3 × 40 shots                  | 1124 |
|               | 40 shots, kneeling            | 381  |
| 1939 Lucerne  | Argentina Statuette, team win | 5433 |
|               | 3 × 40 shots                  | 1106 |
|               | 40 shots                      | 379  |

## SERVICE RIFLE CARTRIDGE

|                                 |                    |      |
|---------------------------------|--------------------|------|
| Finnish marksmen 1937 Helsinki  | 3 × 20 shots       | 1530 |
| Estonian marksmen 1937 Helsinki | 20 shots, prone    | 188  |
|                                 | 20 shots, standing | 172  |

As well as the above, Finns won a number of team world championships in various positions and in various years and have won a large number of Scandinavian contests and championships.